



The Glue People

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Tradebond WA410

Two-component water-borne adhesive.

Product Description

Tradebond WA410 A/B is a new concept in foam bonding adhesives. It is a two-component water borne adhesive which demonstrates fast setting characteristics. It has been designed to adhere a variety of foams to themselves and to a wide range of substrates (such as wood, fabrics and non-wovens) commonly used in the foam conversion and laminating industries.

WA410A must be used in conjunction with WA410B. Once activated WA410 A/B is capable of producing instant stress bearing bonds and provides a comparable performance to solvent based adhesives. The fact that WA410 A/B is a solvent free system means it addresses the environmental and health & safety issues posed by the Environmental Protection Act and Montreal Protocol.

Since substrates, processes and applications vary, a thorough evaluation of the adhesive should be carried out in production conditions before commercial production is undertaken. Such an evaluation should include a reference to ageing.

Application

WA410 A and its activator WA410 B must be sprayed with a double nozzle gun. The action of the two component gun is to mix the adhesive and activator streams. Never pre-mix the two components.

Mixing ratio: WA410A WA410B
8-15 parts : 1 part

The value is typical for general application use but may be varied to produce different performance criteria.

Coating weight: Typical 50–60 gsm - 'two-way stick' mechanism.

'One-way' sticking is possible, but will depend on the particular substrates to be bonded and may require modification to the coating weights used.

Equipment

Remember that due to the water-based nature, it is essential that all parts that come into contact with the adhesive should be of stainless steel or plastic. The adhesive will build up on non-ferrous metals and may coagulate, block lines. Mild steel will rust.

We recommend applying WA410 A/B using a Binks Mach I PCX 2k spray gun.

Typical pumps that can be used are Husky 307 1030.

Individual pressure pots may also be used to deliver the adhesive and activator.

Typical pressures are 40 psi atomising and typical fluid pressures of 15 psi for WA410A and 5-10psi for WA410B.

Shelflife

4 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +30°C.

PROTECT FROM FROST.

Technical Data

Base:	Modified synthetic polymer adhesive
Appearance:	White.
Viscosity @ 23°C:	200 ± 100 (Spindle 6, Speed 20).
Solids %:	58%
pH:	12-14
Heat resistance:	150°C (Tested to standard conditions)
Open time:	15 minutes.
Specific gravity:	1.13
Cleaning:	Equipment should be cleaned with warm or cold water while the adhesive is still wet. Wet adhesive can be cleaned using non-fragranced soapy water.

Transport Information

Road:	ADR	Free
Maritime:	IMDG	Free
Air:	ICAO/IATA-DGR	Free
UN Number:	None	Does not apply

Labelling

No danger labelling required.

Information

Data contained in this document is for information only and is believed to be reliable. Trade Grade Products Ltd (TGP) cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability of the product for any specific purpose and TGP is pleased to provide a sample upon request.

Before using this product ensure that you have been supplied with and have read carefully the following information.

- The hazard label (complying with latest CDG/CPL regulations) applied to the container.
- Material Safety Data Sheet, Tradebond WA410.